

L1005516 GBRI/12S PPE 4046794



Callisto®

syngenta®

Product registration number: MAPP 12323 PCS No. 02587

A suspension concentrate containing 100 g/l (9.1% w/w) mesotrione.

A foliar applied herbicide for the selective control of annual broad-leaved weeds in forage and grain maize.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (UK only).

In case of toxic or transport emergency ring
+44 (0)1484 538444 any time.

PROTECT FROM FROST.
SHAKE WELL BEFORE USE



This product label is compliant with the CPA Voluntary Initiative (VI) guidance (UK only).



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FOR PROFESSIONAL USE ONLY

To avoid risks to human health and the environment, comply with the instructions for use.

A suspension concentrate containing 100 g/l (9.1% w/w) mesotrione.

Warning

Causes serious eye irritation.

Very toxic to aquatic life with long lasting effects.

Keep out of reach of children.

Wear eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

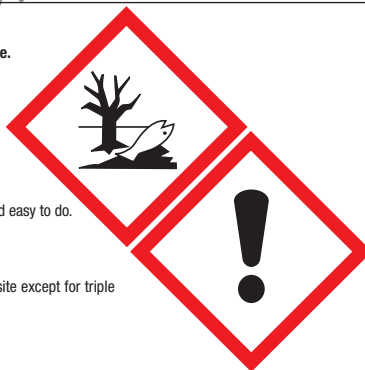
If eye irritation persists: Get medical advice/attention.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

Direct spray away from water.



PCS No. 02587
MAPP 12323

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5 litres

Authorisation holder & UK Marketing Company

Syngenta UK Ltd.,
CPC4, Capital Park, Fulbourn,
Cambridge, CB21 5XE
Tel: +44 (0)1223 883400

Ireland Marketing Company

Syngenta Ireland Ltd.,
Block 6, Cleaboy Business Park,
Old Kilmeaden Road, Waterford
Tel: (051) 377203

CALLISTO

SAFETY PRECAUTIONS

(a) Operator protection (COSHH applies to the UK only)

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH SPLASHES from skin immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

(b) Environmental protection (UK only)

To protect aquatic organisms respect an unsprayed buffer zone distance to water bodies in line with LERAP requirements.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing

water body. Aim spray away from water.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

(c) Storage and disposal

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

EMPTY CONTAINER COMPLETELY, and dispose of safely.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE.

For use on: Forage maize and grain maize.

Maximum individual dose: 1.5 litres per hectare.

Maximum number of treatments: One per crop.

Latest time of application: Eight leaf stage.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

This leaflet is part of the approved Product Label.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

GENERAL INFORMATION

CALLISTO contains mesotrione a foliar applied herbicide for selective control of annual broad-leaved weeds. The activity of CALLISTO is mostly by foliar uptake and to some extent by soil uptake. CALLISTO is rapidly absorbed through the leaves and moves to the growing point.

Crops

For use only as a herbicide for the control of weeds in forage and grain maize. **DO NOT USE** on forage and grain maize seed crops or on sweet corn varieties.

Spray timing

Always inspect crop and weed growth stage immediately before spraying.

For the best results treat young weed seedlings. See weed control tables for application details.

CONDITIONS FOR USE

Crops

Forage and grain maize may be sprayed any time from the two to eight leaf stage.

Weather

For the best results CALLISTO should be applied when the weeds are actively growing i.e. in warm humid weather with adequate soil moisture. Treatment in poor growing conditions or in dry soil may give less reliable control.

Do not spray when weed or crop foliage is wet.

AGRICULTURAL PRACTICE

It is not recommended to spray crops suffering stress e.g. when in very cold or drought conditions, or when wide temperature fluctuations are expected or excessive rainfall is expected to follow application. Under these adverse conditions mild to moderate chlorosis may be observed on sprayed leaves. This effect is usually transient and does not affect yield.

Take extreme care to avoid drift onto dicotyledonous plants outside the target area.

Take extreme care to avoid drift onto all crops outside the target area, otherwise crop damage will result. Ensure that spray swaths are matched accurately and do not overlap.

RESISTANCE MANAGEMENT

CALLISTO is a 4-HPPD inhibitor, disrupting development of plant pigments which are essential for photosynthesis. This inhibition causes leaf chlorosis and eventual death of sensitive weed species. It's mode of action is different from other herbicide groups, and there is no known cross resistance in weeds which exhibit reduced sensitivity to other herbicides. Weed control may be reduced if strains of individual species less sensitive to CALLISTO develop.

The use of CALLISTO in programmes or tank mixtures with a broad-leaved herbicide possessing a different mode of action will reduce the likelihood of resistance developing in broad-leaved weeds e.g. Fat hen, Black nightshade, Common amaranth. At the present time there is no similar mode of action in herbicides for crops other than maize and therefore crop rotation will also delay the onset of any resistance. Where continuous maize is grown the use of CALLISTO for more than two seasons should be avoided.

WEED CONTROL - RATE OF USE

CALLISTO contains an adjuvant system and the addition of an adjuvant or a tank mix wetting agent is not recommended.

The recommended dose rate is 0.75 to 1.5 litres per hectare depending on the type of weeds present.

Annual Broad-Leaved Weeds	Dose rate l/ha	Weed growth stage
Fat hen	0.75	Emergence to 12 leaves (or 20 cm)
Black nightshade	0.75	Emergence to 10 leaves (or 15 cm)
Common amaranth	0.75	Emergence to 8 leaves (or 10 cm)
Redshank	0.75	Emergence to 6 leaves (or 10 cm)
Common chickweed	0.75	Emergence to 10 cm diameter
Oilseed rape volunteers	0.75	Emergence to 6 leaves
Charlock	0.75	Emergence to flowering
Field pansy	0.75	Emergence to 6 leaves
Annual grasses	Dose rate l/ha	Weed growth stage
Cocksbur grass	1.5	Emergence to 1 tiller

Application

Good spray cover is essential and care should be taken to ensure that the sprayer has a matched set of nozzles, the machine is correctly calibrated and adjusted to the correct height above the crop.

Apply using a medium quality spray (BCPC) at a pressure of at least 2 bar. Apply through conventional crop spraying equipment.

Preparation of the spray

Shake the CALLISTO container before opening.

Half-fill the spray tank with clean water, add the required amount of CALLISTO and agitate while filling the tank. On emptying the container, **RINSE CONTAINER THOROUGHLY** by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of container safely. Continue agitation during spraying.

Volume of water

Even cover of the weeds is essential.

Use in a recommended 200 to 300 litres (maximum) of water per hectare. **The lower rate is preferable** but the higher volume may be necessary where there are dense or well developed weed populations.

Application methods

Apply through a conventional field crop sprayer using a pressure of 2-3 bars. Ensure the sprayer is correctly calibrated before use.

Do not leave spray liquid in the sprayer for long periods (i.e. overnight).

After Use

It is important to wash equipment thoroughly after use to remove all traces of CALLISTO as even small amounts may cause damage to crops. Rinse inside of tank with clean water using at least one tenth of the spray tank volume. After flushing through pump and spray lines, drain and repeat procedure. Disposal of spray tank washings should be in accordance with local, state or national legislation.

FOLLOWING CROPS AND RECULTIVATION

Recultivation

Ploughing is recommended prior to reseeded. Some slight crop effects may be seen soon after emergence, but these are usually transitory in nature. Forage and grain maize can be re-seeded immediately in case of crop failure.

Rotational crops

Autumn

Winter wheat (including durum wheat), winter barley and rye grass can follow a maize crop treated with CALLISTO.

Deep ploughing (greater than 15cm) followed by cultivation is necessary before drilling oilseed rape.

Spring

Forage and grain maize, ryegrass, spring wheat and spring barley may be sown in the spring following application of CALLISTO, do not sow any other crop at this time.

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This product label is compliant with the CPA Voluntary Initiative (VI) guidance (UK only).

Approval Holder and UK Marketing Company	Ireland Marketing Company
Syngenta UK Limited CPC 4, Capital Park, Fulbourn, Cambridge CB21 5XE Tel: Cambridge (01223) 883400	Syngenta Ireland Ltd Block 6, Cleaboy Business Park, Old Kilmeaden Road, Waterford Tel: 051-377203

In case of toxic or transport emergency ring +44 (0) 1484 538444 any time.

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Section 6 of the Health and Safety at Work Act **Additional Product Safety Information**

(This section does not form part of the product label under the Plant Protection Products Regulations 1995)

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'Extension of Use' approval or is otherwise permitted under the Plant Protection Products Regulations.

The information on this label is based on the best available information including data from test results.

Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product Identifier

Product Name: CALLISTO
Design Code: A12739A

1.2 Relevant Identified Uses of the substance or mixture and uses advised against

Use: Herbicide

1.3 Details of the supplier of the safety data sheet

Company: Syngenta UK Ltd
CPC4, Capital Park, Fulbourn, Cambridge, CB21 5XE
Phone: (01223) 883400
Fax: (01223) 882195
Website: www.syngenta.co.uk

1.4 Emergency telephone number

Emergency phone No.: +44 (0) 1484 538444 (24h)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008

Eye irritation	Category 2	H319
Acute aquatic toxicity	Category 1	H400
Chronic aquatic toxicity	Category 1	H410


For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi, Irritant.
N, Dangerous to the environment.
R36 Irritating to eyes.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

Hazard pictograms		
Signal Word	Warning	
Hazard Statements	H319 H410	Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.
Precautions Statements	P102 P280 P305/P351/ P338 P337/P313 P391 P501	Keep out of reach of children Wear protective gloves/ protective clothing/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Supplemental Information	EUH401	To avoid risks to human health and the environment comply with the instructions for use.

Hazardous components which must be listed on the label:

Labelling: EU Directives 67/548/EEC or 1999/45/EC

Symbol(s)	 	
	IRRITANT DANGEROUS FOR THE ENVIRONMENT	
R-phrase(s)	R36 R50/53	Irritant to eyes. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	S2 S13 S20/21 S35 S57	Keep out of the reach of children. Keep away from food, drink and animal feedstuffs. When using do not eat, drink or smoke. This material and its container must be disposed of in a safe way. Use appropriate containment to avoid environmental contamination.
Special labelling of certain mixtures	To avoid risks to man and the environment, comply with instructions for use.	

Hazardous components which must be listed on the label:

2.3 Other hazards

None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Component(s)

Chemical Name	CAS No. EC No. Registration Number	Classification (67/548/EEC)	Classification (REGULATION (EC) No. 1272/2008)	Concentration
mesotrione	104206-82-8	N R50/53	Aquatic Acute1; H400 Aquatic Chronic1; H410	9 % w/w
2-(8-methylnonoxo) ethanol	61827-42-7	Xn R22 R41 R52/53	Acute Tox.4; H302 Eye Dam.1; H318 Aquatic Chronic3; H412	20 - 30 % w/w
Octan-1-ol	111-87-5 203-917-6	Xi R36	Eye Irrit.2; H319	5 - 10 % w/w

Substances for which there are Community workplace exposure limits

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-statements mentioned in this Section, see Section 16.

SECTION 4. FIRST-AID MEASURES

4.1 Description of first aid measures

General Advice: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control centre or physician, or going for treatment.

Inhalation: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Control Centre immediately.

Skin Contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Medical advice: There is no specific antidote available. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires

Alcohol-resistant foam or Water spray.

Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice for fire-fighters

Wear full protective clothing and self-contained breathing apparatus.

Do not allow run-off from fire fighting to enter drains or water courses.

Cool closed containers exposed to fire with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8

Refer to disposal considerations listed in section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s)

Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components	Exposure limit(s)	Type of exposure limit	Source
mesotrione	10 mg/m ³	8 h TWA	SYNGENTA

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

8.2 Exposure controls

Engineering Measures: Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapors are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Respiratory protection: No personal respiratory protective equipment normally required. A particulate filter respirator may be necessary until effective technical measures are installed.

Hand protection: Chemical resistant gloves are not usually required. Select gloves based on the physical job requirements.

Eye Protection: If eye contact is possible, use tight-fitting chemical safety goggles.

Skin and body protection: No special protective equipment required. Select skin and body protection based on the physical job requirements.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	Liquid
Form:	Liquid
Colour:	Light brown
Odour:	Like octanol
Odour Threshold:	No data available.
pH:	2.2 at 20 °C
Melting point/range:	< -5 °C
Boiling point/boiling range:	> 100 °C
Flash point:	90 °C Pensky-Martens c.c.
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	1.09 g/ml at 20 °C
Solubility in other solvents:	Miscible in water
Partition Coefficient n-octanol/water:	No data available
Autoignition temperature:	395 °C
Thermal decomposition:	No data available
Viscosity, dynamic:	1,990 mPa.s at 20 °C 1,060 mPa.s at 40 °C
Viscosity, kinematic:	No data available
Explosive properties:	Not explosive
Oxidizing properties:	Not oxidising

9.2 Other Information

Surface tension:	29.1 mN/m at 21 °C
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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:	No information available.
10.2 Chemical Stability:	No information available.
10.3 Possibility of hazardous reactions:	None known. Hazardous polymerisation does not occur.
10.4 Conditions to avoid:	No information available.
10.5 Incompatible materials:	No information available.
10.6 Hazardous decomposition products:	Combustion or thermal decomposition will evolve toxic and irritant vapours.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity:	LD50 female rat, > 2,000 mg/kg
Acute dermal toxicity:	LD50 rat, > 2,000 mg/kg
Skin corrosion/irritation:	Rabbit: Non-irritating.
Serious eye damage/eye irritation:	Rabbit: Moderately irritating
Respiratory or skin sensitisation:	Buehler test guinea pig: not a skin sensitiser in animal tests.

Germ cell mutagenicity

Mesotrione: Did not show mutagenic effects in animal experiments.
Octan-1-ol: Not mutagenic in Ames Test.

Carcinogenicity

Mesotrione: Did not show carcinogenic effects in animal experiments.

Reproductive toxicity

Mesotrione: Did not show reproductive toxicity effects in animal experiments.
Octan-1-ol: No toxicity to reproduction.

STOT – repeated exposure

Mesotrione: No adverse effect has been observed in chronic toxicity tests.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish: LC50 *Cyprinus carpio* (Carp), 71 mg/l, 96 h.
Toxicity to aquatic invertebrates: EC50 *Daphnia magna* (water flea), 49 mg/l, 48h
Toxicity to aquatic plants: EbC50 *Pseudokirchneriella subcapitata* (green algae), 72 mg/l, 96h
ErC50 *Pseudokirchneriella subcapitata* (green algae), > 100 mg/l, 96h
EC50 Frond growth *Lemna gibba* (duckweed), calculated 0.23 mg/l, 14d
Derived from components.

12.2 Persistence and degradability**Stability in water**

mesotrione: Degradation half life: > 30 d at 25 °C. Persistent in water

Stability in soil

mesotrione: Degradation half life: 6 - 105 d. Not persistent in soil

12.3 Bioaccumulative potential

mesotrione: The substance has low potential for bioaccumulation..

12.4 Mobility in soil

mesotrione: mesotrione has medium to high mobility in soil.

12.5 Results of PBT and vPvB assessment

mesotrione: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

None known

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**Land transport (ADR/RID)**

14.1	UN Number	:	UN 3082
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MESOTRIONE)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	:	III
	Labels	:	9
14.5	Environmental hazards	:	Environmentally hazardous

Sea transport (IMDG)

14.1	UN Number	:	UN 3082
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MESOTRIONE)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	:	III
	Labels	:	9
14.5	Environmental hazards	:	Marine pollutant


Air transport (IATA-DGR)

14.1	UN Number	:	UN 3082
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MESOTRIONE)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	:	III
	Labels	:	9
14.6	Special precautions for user	:	None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC CodeNot applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture GHS- Labelling

Hazard pictograms		
Signal Word	Warning	
Hazard Statements	H319 H410	Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.
Precautions Statements	P102 P280 P305/P351/ P338 P337/P313 P391 P501	Keep out of reach of children Wear protective gloves/ protective clothing/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Supplemental Information	EUH401	To avoid risks to human health and the environment comply with the instructions for use.

Hazardous components which must be listed on the label:

- terbuthylazine

15.2 Chemical Safety Assessment

A chemical safety assessment is not required for this substance.

SECTION 16. OTHER INFORMATION

Approval number, MAPP 12323.

Use plant protection products safely. Always read the label and product information before use.

Based upon SDS release dated 26/09/2013, version 15 with local amendment.

Full text of R phrases referred to under Section 2 and 3:

R22 Harmful if swallowed.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-statements referred to under sections 2 and 3:

H302 Harmful if swallowed

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Product names are a trademark or registered trademark of a Syngenta Group Company.

SPECIMEN
Use by 30 Sep 2025

CALLISTO

SAFETY PRECAUTIONS

(a) Operator protection (COSHH applies to the UK only)

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WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH SPLASHES from skin immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

(b) Environmental protection (UK only)

To protect aquatic organisms respect an unsprayed buffer zone distance to water bodies in line with LERAP requirements.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static of flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. Aim spray away from water.

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(c) Storage and disposal

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EMPTY CONTAINER COMPLETELY, and dispose of safely.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE.

For use on: Forage maize and grain maize.

Maximum individual dose: 1.5 litres per hectare.

Maximum number of treatments: One per crop.

Latest time of application: Eight leaf stage.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.